Time to Travel a Distance

1) Gabby rode her bike at an average speed of 20mph. If she needs to ride 15 miles, how long (in minutes) will it take her?

2) Billy drove at an average speed of 30 miles per hour. If he needs to drive 95 miles, how long (in hours and minutes) will it take him?

1) To calculate time traveled we divide the distance (15) by the speed (20) and get 15 ÷ 20 = .75. But that is in hours we need minutes. To convert hours into minutes we must multiply by 60 since there are 60 minutes in one hour. .75 × 60 = 45 minutes

2) We again take the distance (95) and divide by the speed (30). 95 ÷ 30 = 3.1666$\overline{6}$ hours. To convert in to minutes we need to multiply by 60 since there are 60 minutes in one hour. 3 hours is 180 minutes and .1$\overline{6}$ × 60 = 10 minutes, so we have a total of 190 minutes of travel time.